

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 99.28**WELDING INSPECTION REPORT****Resident Engineer:** Casey, William**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-027668**Date Inspected:** 11-May-2012**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1530**Contractor:** American Bridge**Location:** Coraopolis PA**CWI Name:** Dennis Hildebrand**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** Anchor Plate Spherical Bearings**Summary of Items Observed:**

This Quality Assurance Inspector (QAI) arrived at American Bridge (AB), Coraopolis PA, as requested per TL 38 to monitor Repairs to Anchor Plate HK1-A2 which was damaged during welding of anchor studs at Lubrite Industries, Meadville PA, on 5/7/12.

Upon arrival at AB this QAI met with Randy Wilson, QC Supervisor AB, and Dennis Hildebrand, QC/CWI AB. Dennis Hildebrand supplied copies of approved Repair Procedure, approved WPS, and approved Welder Qualifications, Certification for Magnetic Particle Testing Technician and His CWI Certification.

Plate was set up on welding table and crater was ground until all signs of defect were removed. An area approximately 1 3/4" x 1 1/8" x 5/32" deep was ground. The area was then Magnetic Particle tested using the yoke method. The Technician performing the test is certified per ASNT level II requirements. No indications showed up from the MT. The excavation was then released for welding per approved weld and repair Procedure. The welding was performed by a qualified welder and witnessed by QC and this QAI. The surface of the weld repair area was then ground flush with the surface of the base metal. The repair area was then Magnetic Particle Tested for verification of sound repair metal. No indications were revealed during the test.

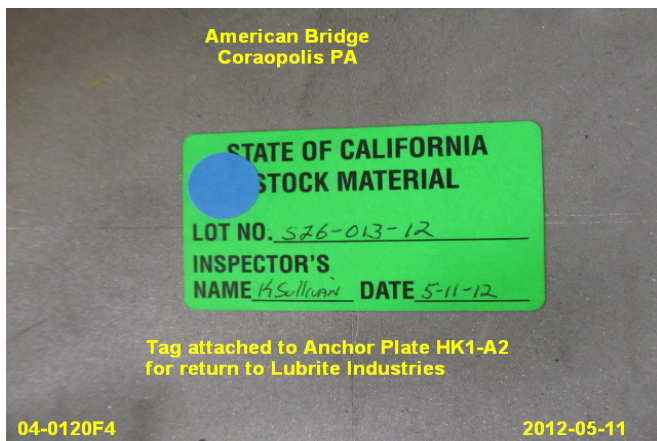
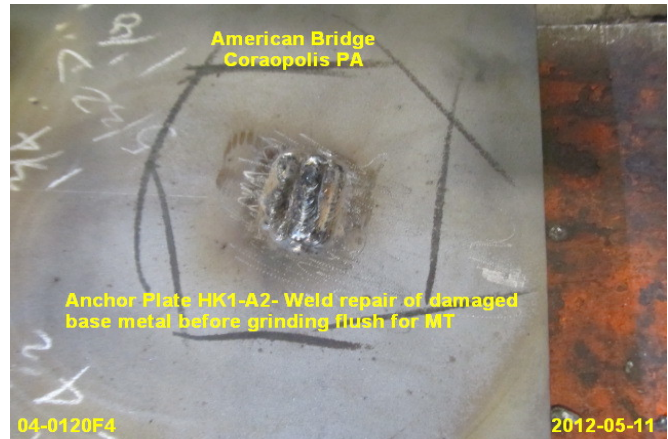
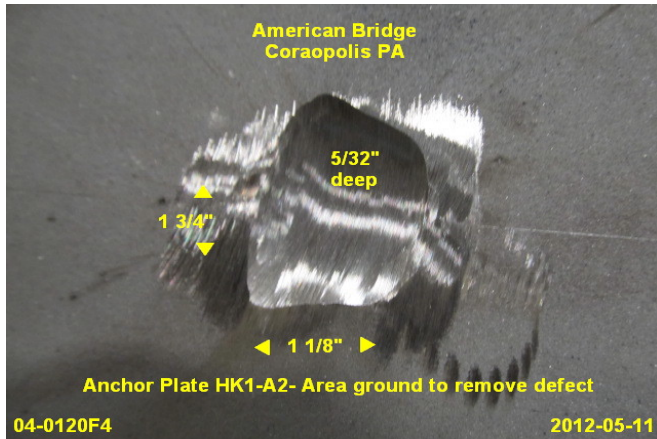
The anchor Plate was then Green Tagged by this QAI, S26-013-12 for return to Lubrite Industries in Meadville PA.

This QAI received copies of the Weld Repair and MT test reports from AB QC and released part for shipment.

The items observed appear in general conformance with the contract documents and approved drawings.

# WELDING INSPECTION REPORT

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## Summary of Conversations:

Basic conversation, fundamental to completion of the tasks at hand, occurred between this QAI and DSB QC Personnel.

## Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Aaron Prchlik (510)-610-9822, who represents the Office of Structural Materials for your project.

Inspected By: Sullivan, Kevin

Quality Assurance Inspector

Reviewed By: Foerder, Mike

QA Reviewer